**Homework 91** Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
**Convert Between Volume and SA of Cylinders** Period\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Failure to show all work or write in complete sentences will result in a LaSalle.**

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| 1) The volume of the cylinder below is 360π m3 and has a height of 10 m. Find the surface are of the right cylinder. | 2) The volume of the rectangular prism is 160 m3. Find the surface area of the figure below. |
| 3) The surface area of the cylinder below is 328π ft2. Find its volume. | 4) The volume of the cylinder below 275π cm3 and has a radius of 5 m. Find the surface area of the right cylinder. |
| 5) 7) The volume of the rectangular prism is 640 cm3. Find the surface area of the figure below. | 6) If the volume of cylinder below is 144π cm3, find the surface area. |